Dr. Sonali Vyas

2-R-13, R.C Vyas Colony,
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Educational Qualifications

- Ph.D**.** in Computer Science from Jaipur National University, Jaipur in January 2016**.**
  Thesis: Analysis and Design of Virtualization Technique for Distributed Database using XML Schema.
- MCA from Mody Institute of Technology and Science, Laxmangargh, Sikar, Rajasthan in 2010.
- BCA from MDS University, Ajmer, Rajasthan in 2007.
- Senior Secondary from Vidya Niketan School, CBSE, Bhilwara, Rajasthan in 2004.
- Secondary from Sophia Sr. Sec. School, CBSE, Bhilwara, Rajasthan in 2002.

Academic Experience

- Working at **Amity University, Jaipur, Rajasthan** as an **Assistant Professor** in the AIIT department.
  Time Duration: *Aug 2016- till date*
  Job Responsibility:
  - *Supervising PhD research scholars in the field of Data Mining, Big Data Analytics and Data Mining in IoT.*
  - *Member of Local Organizing Committee in International Conference on Smart Technologies in Computer and Communication, at AUR.*
  - *Taking regular theory & lab classes of B.Tech, MCA & BCA students.*

- Worked at **Jaipur National University, Jaipur, Rajasthan** as an **Assistant Professor** in the School of Computer and Systems Sciences.
  Time Duration: *July 2011 – 2016*
  Job Responsibility:
  - *Worked as a member for the document preparation team (Research & Academics) for NAAC accreditation.*
  - *Taking regular theory & lab classes of B.Tech, MCA & BCA students.*
  - *Worked as a Member for C-Debugging Event at Annual Program, Technoraaz, JNU, Jaipur, 2014 and 2015.*
  - *Worked in Registration Committee at National Conference*

- Worked with **S.S Jain Subodh PG College, Jaipur, Rajasthan** as a **Lecturer** in the department of CS.
  Time Duration: July2010 - May2011
  Job Responsibility:
    - *Taking regular theory & lab classes of MCA and BCA students.*
    - *Worked as member of cultural events at Annual function of College.*

Other Experience

- Acting as Mentor for MCA students.
- Experience as Examiner for Paper evaluation and paper setting for B.C.A, M.C.A., and B.Tech courses.
- Experience as External Examiner for conducting the practical examinations for B.C.A and M.C.A
- Involved in managing other academic matters like guiding student projects, suggesting changes in syllabus and recommending books for Library.

Editor/ Reviewer/ Membership

- Acting as a Guest Editor in "*Elsevier International Journal of Computer and Electrical Engineering (IJCEE)*" special issue SI-SA

  *[Online:*https://www.journals.elsevier.com/computers-and-electrical-engineering/call-for-papers/special-issue-on-smart-computing-and-algorithms*]*

- Acting as a Reviewer in the "*International Journal of Information Technology and Web Engineering (IJITWE)*" - IGI Global Publication. ISSN: 1554-1045.

- Acting as a Reviewer in the "*International Journal of Engineering Research and Technology (IJERT)*" – ESRSA Publication, Registration no. IJERTREW1982.

- Acting as a Reviewer in the "*International Journal of Virtual and Personal Learning Environments (IJVPLE)*" - IGI Global Publication.

- Member of the "Soft Computing Research Society", Society Registered under the Societies Registration Act XXI of 1860. [Online: http://www.scrs.in/].

- Member of the "International Association of Engineers (IAENG)", IAENG membership number is: 179778. [Online: http://www.iaeng.org/].

RESEARCH PUBLICATIONS AND PRESENTATIONS

- "An Analysis of Virtual Database over Non-Virtual Database", Presented at **5th National Conference on Computational and Mathematical Sciences (COMPUTATIA-V)**, organized by Department of Computer Science Engineering and Department of Mathematics, Vivekananda Group, Jaipur, March 18 -19, 2016.

- "Analyzing Performance of Virtual and Non-Virtual database", Published at **Journal of Global Research Computer Science & Technology (JGRCST)**, 2nd E-Conference on ETSMET-2015, August 08, 2015, ISSN: 2349-5170.

- "Comparative Study of Data Mining Algorithms K-means and Apriori", Presented at **International Conference on Computer Science and Information Technology: Trends, Challenges and Issues (CSIT-TCI 2015)**, organized jointly by Rukmini Devi Institute of Advance Studies (RDIAS), Rohini, Delhi and MSME-Technology Development Centre, Agra, January 30-31, 2015.

- "SQL Injection Attacks on Web Applications", Presented at **4th National Conference on Emerging Technologies in Computer Engineering (NCETCE)**, supported by Computer Society Chapter, IEEE Delhi Section at SKIT, Jaipur, November 28 -29, 2014.

- "The Use and Industrial Importance of Virtual Databases", Published in **International Journal of Innovative Research in Computer and Communication Engineering**, Reg. No. V21010048, Vol. 2, Issue October 10, 2014, ISSN 2320-9801, Available at www.ijircce.com.

- "Analysis of Server Performance with Different Techniques of Virtual Databases ", Published in **Journal of Emerging Trends in Computing and Information Sciences**, Vol. 4, No. Jan 01, 2013, ISSN 2079-8407, Available at www.cisjournal.org.

WORKSHOPS AND FDP'S

- Participated two weeks workshop on "**Cyber Security & Cloud Computing**", organized by **Amity Institute of Information Technology, Amity University Rajasthan** from 26th September 2016 to 7th October 2016.

- Participated in "**Cyber Security Awareness Program**", organized by **Innovative Ideas Infotech Society** on 19th October 2016

- Completed one week Faculty Development Programme on "**Scientific Research Methodology using Matlab**", organized by **MSME- Technology Development Center, Agra** from 2nd June, 2015 onwards at **RDIAS, New Delhi**.

- Participated in the Three Days' Workshop on "**Introduction to CUDA and MATLAB on GPU**", organized by the **JECRC University**, Jaipur in association with CUDA Centre of Excellence, IIT Bombay, and ACM Chapter on 27th – 29th March 2015.

- Participated in the Two Days' Workshop on "**Network Simulators (NS-2)**", organized by the Department of Computer Science and Engineering, **SRM University**, Delhi-NCR Campus in association with Computer Society of India **(CSI)**, SRM Chapter on 29th – 30th December 2014.

SEMINARS AND CONFERENCES

- Participated in the Two Days' National Conference on "**Current Research Treads in Cloud Computing & Big Data**", organized by School of Computer & Systems Sciences and Department of Computer Science and Engineering, **Jaipur National University, Jaipur**, Rajasthan in association with **NIELIT** on 6th – 7th Feb 2015.

- Participated in the International Conference on "New Horizons of Information Technology by using Engineering and Mathematical Approaches", organized by **Biyani Group of Colleges, Jaipur**, Rajasthan on October 14th 2014.

- Completed "**IEEE global early career faculty virtual mini-conference: Effective Teaching"**, in association with **IEEE Educational Activities Board and PDH**, on 18th September and 12th December 2014.

- Participated as volunteer in the **19th National Children's Science Congress**, 27th-31st December, 2011, organized by **Department of Science & Technology, Rajasthan**.

Personal Information

Father's Name	:	Ghanshyam Vyas
Mother's Name	:	Usha Vyas
Date of Birth	:	17th November 1986
Sex	:	Female
Marital Status	:	Single
Native Place	:	Bhilwara, Rajasthan

References

- **Prof. Deepshikha Bhargava,** Director, Amity Institute of Information Technology, Amity University Rajasthan, Jaipur, Contact No: +91 9828513311, e-mail - dbhargava1@jpr.amity.edu

- **Dr. Ramesh Chandra,** Associate Professor, Amity Institute of Information Technology, Amity University, Jaipur, Rajasthan. Contact No: +919414527324, e-mail - rchandra@jpr.amity.edu

(Dr. Sonali Vyas)