Name: Prof. Sandeep Singh Rawat
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PROFILE

Dr. Sandeep Singh Rawat is presently working as Professor in School of Computer and Information Sciences, Indira Gandhi National Open University (IGNOU), New Delhi India. Dr. Sandeep has more than 18 years of experience in sophisticated teaching techniques, research techniques and technologies: data mining, data warehousing, big data analytics and machine learning.

Prof. Sandeep obtained his Bachelor of Engineering in Computer Science from National Institute of Technology, Surat (formerly known as REC, Surat), his Masters from Indian Institute of Technology, Roorkee and doctorate degree from University College of Engineering, Osmania University, Hyderabad. Dr. Sandeep was a Research Scholar and Visiting Professor at Iowa State University, USA from 2016 to 2018. Dr. Sandeep is a Senior Member of IEEE and Life Members of Indian Society for Technical Education & Computer Society India and He has mentored IEEE Student member for IHMPS-2020 & 2021 for IEEE Hyderabad section.

Prof. Sandeep distinguishes himself as an individual who exhibits an organized scientific approach to work, due to his ability to plan and implement projects of varying complexity. He has presented many technical papers at international conferences and published papers in referred journals including proceeding of Springer, IEEE Asia-Pacific Services Computing Conference (IEEE APSCC 2009), Biopolis, Singapore and Malaysia (DMO-2011). He has received the research grant for the project titled – *"New Grid Computing Framework for Mining Rare Association Rules"* from the Computer Science of India (CSI) and *"Mobile Application Development"* from the AICTE, New Delhi. He has received copyrights for Computer Software work titled "Emergency Service for Real Time Location Tracking & Sharing". The hallmark of Sandeep's character is his diligence and integrity towards his work. He has organized many workshops and conferences. He was a corresponding editor for 3rd International Conference on Innovations in Computer Science & Engineering (ICICSE-2015) for prestigious Springer AISC (Advances in Intelligent Systems and Computing) Series and 1st International Conference on Advances in Computational Intelligence and Informatics (ICACII 2019) for LNNS series.

In addition to having a strong teaching background, Prof. Sandeep also has a promising research record. He has endeavored to ensure that the projects that stem from my research interests in general can be adapted to provide undergraduate students with ample research opportunities. His chief research interests lie in the areas of data mining, big data and information systems and particularly interested in developing new algorithms as well as testing the performance of existing algorithms in the area of big data environment under various conditions. His primary goal is to understand the scope of the existing algorithms and develop novel approaches for data mining association rules on big data environments. During the course of his career, he has been a part of several committees – on and off campus. He enjoys using knowledge of computer science and information technology to organize events, coordinate speakers and conduct workshops.

EDUCATION

- Ph.D, Computer Science & Engineering, Osmania University, INDIA – 2014.
- M.Tech, Information Technology, IIT, Roorkee, INDIA – 2003.
- B.E, Computer Science, National Institute of Technology, Surat, (formerly known as REC, Surat) INDIA – 2000.

WORK EXPERIENCE

- Presently working as Professor in School of Computer and Information Sciences at Indira Gandhi National Open University, New Delhi.
- Worked as Professor (CSE) in Anurag University, Hyderabad (formerly known as Anurag Group of Institutions) from 2018 to 2022.
- Worked as a Research Scholar and Visiting Professor at Iowa State University, USA from 2016 to 2018.
- Worked as an Associate Professor & Head (CSE) in Guru Nanak Institute of Technology, Hyderabad, from 2008 to 2016.
- Worked as Assistant Professor (IT) in Vignan's Group of Institutions, 2003 to 2008.

PART-TIME EXPERIENCE

- Visiting Faculty, WASE - Bits-Pilani (Parallel assignment) from 2006 to 2011
- Subject Matter Experts (SME), Merittrac Services (Parallel assignment) from 2006 to 2013

INTERNATIONAL PROJECT

- Evaluation of Opportunities and Challenges of Using INRIX data for real-time performance monitoring and historical trend assessment at Iowa State University, USA.

CERTIFICATIONS

- AI for Everyone: Master the Basics, edX, July 2021.
- Introduction to Linux, edX, July 2021.
- Online PBL certificate – an Introductory course on Problem Based Learning in Higher Education, Aalborg Centre for Problem Based Learning in Engineering Science, and Sustainability under the auspices of UNESCO, April 2021.
- Introduction to Big Data, Coursera, May 2020.
- Introduction to Data Science, Cognitive Class,   April 2020.
- Introduction and Programming with IoT Boards, Coursera, April 2020.
- Internet of Things(IoT), AICTE Training and Learning (ATAL) Academy, Dec 2020.
- Smart Cities, AICTE Training and Learning (ATAL) Academy, Oct 2020.
- GuruCool Program(6 days Training on Emergning Technologies followed by a Project Build-a-Thon), IBM Indai, Sep - Oct 2020.
- TOGAF 9 Foundation level, The Open Group, July 2019.
- Patent Drafting for Beginners, NPTEL, IIT, Madras, 4 weeks, Jul-Aug, 2019.
- Introduction to Artificial Intelligence NITTR, Kolkata, from 6th - 10th May 2019.
- Data Mining, NPTEL, IIT, Kharagpur, 8 weeks, Feb - Apr 2019.

- Introduction to R Programming, NPTEL, IIT, Kanpur, Aug - Sep 2018.
- Data Base Management Systems, NPTEL, IIT, Kharagpur, 8 weeks, Aug - Sep 2018.

PUBLICATIONS

Editors: 3 books
Research Papers
      Journals: 17
Invited lectures / Resource Person/ Full paper in Conference Proceedings: 26

HONORS & AWARDS

- Received appreciation for mentoring students Project Build-A-Thon as part of Oracle Academy APEX Build-A-Thon, powered by SmartInternz in collaboration with Telangana Academy for Skill and Knowledge (TASK) and Oracle Academy, July 2022.
- Received appreciation for contributions to IEEE Hyderabad Mentorship Program for Student Members (IHMPS – 2020) for 20 weeks, 2020.
- Best Place to Innovate Award on behalf of Guru Nanak Institute of Technology at UXINDIA'13 IIM, Bangalore (2013).
- Academic Distinction Award, Guru Nanak Institute of Technology (2010 & 2011).
- Significant Contributions Award, Computer Society of India, Hyderabad chapter (2010).

PROFESSIONAL MEMBERSHIPS

- Senior Member of Institute of Electrical and Electronic Engineers (91277740)
- Life Member of Indian Society for Technical Education (LM 45489) (since 2006)
- Life Member of Computer Society India (00148971) (since 2007)

(Sandeep Singh Rawat)