


Faculty Profile: Dr. Sudhanshu Saurabh

<h1>Faculty</h1>	<p>Dr. Sudhanshu Saurabh Associate Professor Department Artificial Intelligence & Data Science Email id: saurabh.ds.ai@eastpoint.ac.in</p>
	<p>Profile*</p> <p>Dr. Sudhanshu Saurabh is working as an Associate Professor in the Department of AI & DS. H is having academic and research experience of 17+ years and industry experience of 4 years. He received his Ph.D. degree in Computer Science & Engineering from Jaypee University of Information Technology, Solan Himachal Pradesh India. Prof. Sudhanshu Saurabh holds a M.Tech. in Computer Science from Institution of Electronics and Telecommunication Engineers, New Delhi. He has published Seven papers in peer reviewed and refereed Journals, which are listed in SCI indexed Journals, SCOPUS indexed Journals and conferences. One of his patent has been published. He is a ACM, ISCA and Life Member of IETE. HIS research interests span a wide range, encompassing Deep Learning, Neuroimaging, Neural Networks and Computer Vision. He has served as a resource person and invited speaker for various workshops, conferences and Faculty Development Program in various Universities. Dr. Saurabh is a member of various Expert Advisory Committees constituted by Commission for Scientific & Technical Terminology (Min. of Education, Govt. of India). He served as an Expert member for Glossary of Information Technology and Glossary of Nanotechnology, and Glossary of Insurance with CSTT (Min. of Education.). He has involved as IEEE access journal reviewer and session chair in various conference.</p>
	<p>Area of Specialization Deep Learning, Neuroimaging, Computer Vision, Neural Network</p> <p>Publications</p> <p>Journal</p> <ul style="list-style-type: none"> • S. Saurabh and P. Gupta, “Deep learning-based modified bidirectional ILSTM network for classification of ADHD disorder,” Arabian Journal for Science and Engineering, Springer, vol. 49, no. 3, pp. 3009–3026, 2023. https://doi.org/10.1007/s13369-023-07786-w. • Saurabh, S. and Gupta, P.K., 2024. Detection and Classification of Multiple Sclerosis from Brain MRIs by using MobileNet 2D-CNN Architecture. <i>Computación y Sistemas</i>, 28(3). https://doi.org/10.13053/CyS-28-3-4197 • S. Saurabh and P. Gupta, “Functional network of neurocognitive development in correlations of BOLD signals,” in Journal of Physics: Conference Series, IOP Publishing, vol. 2570, 2023, 012027, https://doi.org/10.1088/1742-6596/2570/1/012027. <p>Conference</p> <ul style="list-style-type: none"> • S. Saurabh and P. K. Gupta,” Non-Linear behavior of CNN model interpretation using Saliency Map,” 2022 Seventh International Conference on IEEE Parallel, Distributed and Grid Computing (PDGC), Solan, Himachal Pradesh, India, 2022, pp. 733-738, doi: 10.1109/PDGC56933.2022.10053135. • Saurabh, S., Gupta, P.K. (2022). 2D-CNN Model for Classification of Neural

	<p>Activity Using Task-Based fMRI. In: Singh, M., Tyagi, V., Gupta, P.K., Flusser, J., Oren, T. (eds) Advances in Computing and Data Sciences. ICACDS 2022. Communications in Computer and Information Science, vol 1613. Springer, Cham. https://doi.org/10.1007/978-3-031-12638-317</p> <ul style="list-style-type: none"> • S. Saurabh and P. K. Gupta. 2021. "Functional Brain Image Clustering and Edge Analysis of Acute Stroke Speech Arrest MRI". In 2021 Thirteenth International Conference on Contemporary Computing (IC3-2021). ACM New York, NY, USA, 234–240. https://doi.org/10.1145/3474124.3474207
	<p>Patent</p>
	<ul style="list-style-type: none"> • IOT and Artificial Intelligence-Enhanced Comprehensive Monthly Bill Management System (https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal) <p>Books</p> <ul style="list-style-type: none"> • Glossary for Information Technology (2019), Commission for Scientific and Technical Terminology, Department of higher education, Ministry of Education, Govt.of.India. • Glossary for Nanotechnology (2019), Commission for Scientific and Technical Terminology, Department of higher education, Ministry of Education, Govt.of.India. • Standard Insurance Glossary (2012), Commission for Scientific and Technical Terminology, Department of higher education, Ministry of Education, Govt.of.India. • Glossary for Information Technology (2005), Commission for Scientific and Technical Terminology, Department of higher education, Ministry of Education, Govt.of.India

Invited Lecture/Seminar/FDP
<p>Invited Lecture</p> <ul style="list-style-type: none"> • Cambridge Institute of Technology, Bangalore, 13 Jan 2023: Application of OpenCV and Image Extraction from video Dataset. • AURO University, Surat, 27 Sept 2021: Image Extraction and Identification Using Deep Learning. • Chandigarh College of Engineering and Technology, 29 Oct 2020: Delivered Lecture on Educational Tools and Responsibility of Education. • Women Institute of Technology, Dehradun, 18 August 20: Application of A.I. on National Education Policy. • University of Petroleum and Energy Sciences, Dehradun and CSTT (Min.of Education, Govt of India, New Delhi): Delivered Lecture on Application of Indian Languages in Robotics. • Amity University, Noida and Entrepreneurship Development Institute of India: Delivered Talk on AI and IoT Changing Businesses. • National Hydro Electric Power Corporation (Govt of India), Nagwai, Mandi (HP), June 2016: Delivered Lecture on Technical Terminology and RajBhasha. • Jaypee Institute of Information Technology, Noida, Oct 2014: An Algorithmic approach to Word Sense Disambiguation. <p>FDP</p> <ul style="list-style-type: none"> • One week FDP on Data Science using Python Conducted by NITTTR Chandigarh 19-23 Feb 2024. • Session Chaired in National Conference on Recent advancements in Applied Science (RAAS-2023) EPCET, Bangalore, July 28, 2023. • International Conference on Recent Trends in Mathematics and Its application to Graphs, Networks and Petri Nets. (ICRTMA-GPN-2020) JNU, New Delhi, July 20-24, 2020. • Participated NVIDIA Developer Connect program, New Delhi, Nov-2017. • Participated Intel software Artificial Intelligence seminar, Gurgaon, Dec- 2016. <p>COURSEWORK/SCHOOL</p> <ul style="list-style-type: none"> • Winter School of Cognitive Modelling – 2022, 2023: IIT-Mandi. • Application of Machine Learning in Urban studies – June-2023: ISRO (IIRS-Dehradun) • Lecture series on Multivariate Data Analysis jointly organized by University of Calcutta Affiliated Naba Ballygunge Mahavidyalaya and Exceller Open, 17-23 March 2021. • Application of Natural Language Processing in Education Technology, School of Engineering, Sister Nivedita University, Kolkata, 22 Aug. 2020. • Lecture series on Machine Learning organized by Machine Intelligence Research Labs, 20 July – 03 August 2020, Washington, USA.

Expert Committee Member

- Expert Advisory Committee (EAC) Member for CSTT, Min. of Education - Govt of. India. Development of Trilingual Information Technology Glossary in Dravidian Language, Dravidian University, Kuppam, A.P, 2024.
- Shipyard Terminology - Garden Reach Shipbuilders and Engineers Ltd., Kolkata, 2017.
- Website Development committee member for CSTT – Department of Higher Education (Min. of HRD - Govt. of.India), New Delhi, 2016.
- Nanotechnology Glossary - Kirorimal College, University of Delhi, 2015.
- Technical Terminology in Indian Languages - Vigyan Bhawan, New Delhi, 2011.
- Standardization of technical terms for the Insurance - Oriental Insurance Company Limited, Delhi, 2006.
- Standardization of Technical terms for the Plasma Physics - Delhi Technological University, Delhi, 2006.
- Enlarged database of definitional Engineering terms - Bharti Vidyapeeth College of Engineering, New Delhi, 2006.
- Definitional Dictionary on Information Technology Department Electronics, Bihar University, Muzzafarpur, 2003.