

Preface

The Gandhinagar Institute of Technology (GIT), Gandhinagar University (GU) held the 2nd International Conference on Data Science and Intelligent Applications (ICDSIA-2023) on April 28-29, 2023. It was partially sponsored by All India Council for Technical Education (AICTE), New Delhi and Gujarat Council on Science and Technology (GUJCOST), Gandhinagar.

The conference emphasized on novel, substantial, and exceptional research projects that may advance ideas and methods for artificial intelligence, communication and data science technologies. The conference's objectives were to gather in an ample number of skilled submissions, encourage conversations about cutting-edge research among several academic trailblazers, scientists, industrial engineers, and students from around the world, and give researchers a forum. The conference, which brought together experts and participants from all around the world, also concentrated on cutting-edge concerns on an international stage. The demands and effects of Data Science and AI on society inspired the idea for the conference. It significantly and favorably affects society and the economy. AI and robots will assist people in performing their activities more effectively than they do now with the support of communicational aspects. Man and machine working together will be unstoppable. Additionally, AI and data science dramatically lowers the likelihood of human error and uses historical data analysis to save costs.

A total of 367 research papers submission were received, out of which 77 research papers were selected and registered for presentation, which gave benefits to more than 231 researchers. The submission of research papers were contributed from 6 countries: Algeria, China, Taiwan, Morocco, USA, and Bangladesh, and 21 different states of the India. The proceedings of ICDSIA-2023 will be published in GU - JET (Journal of Engineering and Technology), ISSN 2249 – 6157 and selected papers among the presented papers of the conference is going to be published in ITM Web of Conferences eISSN: 2271 – 2097. The program of the two days conference consisted of invited talks given in plenary sessions from international speakers, and track wise presentations scheduled in the domain of Data Science, Cloud Computing /Advanced Networking, AI/ML/DL, Ethics, Privacy and Trust in Big Data Systems / Intelligent Applications.

Finally, we wish pleasant reading impact of ICDSIA 2023 proceedings on your future innovations and research and also we look forward to welcoming you all in the next edition of the conference.

Editors:

Prof.(Dr.) Hetalkumar Shah, Director-GIT, Gandhinagar University, Gujarat, India.

Prof.(Dr.) Rajan Patel, Dean (Engg. & Tech), Gandhinagar University, Gujarat, India.

Prof.(Dr.) Nimisha Patel, Professor & Head (CE/IT), GIT, Gandhinagar University, Gujarat, India.

Prof.(Dr.) Rajkumar Buyya, Redmond Barry Distinguished Professor and Director of CLOUDS Lab, University of Melbourne, Australia.

Prof.(Dr.) Indranath Chatterjee, Professor, Department of Computer Engineering, Tongmyong University, Busan, South Korea.