



ARTIFICIAL INTELLIGENCE AND SPEECH TECHNOLOGY

**PROCEEDINGS OF THE 2nd INTERNATIONAL CONFERENCE
ON ARTIFICIAL INTELLIGENCE AND SPEECH TECHNOLOGY,
(AIST2020), 19-20 NOVEMBER, 2020, DELHI, INDIA**

Edited by
Amita Dev, Arun Sharma and S.S. Agrawal



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Artificial Intelligence and Speech Technology

The 2nd International Conference on Artificial Intelligence and Speech Technology (AIST2020) was organized by Indira Gandhi Delhi Technical University for Women, Delhi, India on November 19-20, 2020. AIST2020 is dedicated to cutting-edge research that addresses the scientific needs of academic researchers and industrial professionals to explore new horizons of knowledge related to Artificial Intelligence and Speech Technologies. AIST2020 includes high-quality paper presentation sessions revealing the latest research findings, and engaging participant discussions. The main focus is on novel contributions which would open new opportunities for providing better and low-cost solutions for the betterment of society. These include the use of new AI-based approaches like Deep Learning, CNN, RNN, GAN, and others in various speech related issues like speech synthesis, speech recognition, etc.

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Doupati Bala Karuna Kumar

I B.Sc Chemistry Salt Mixture Analysis Lab Manual

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This book gives basic knowledge with regard to qualitative (Salt mixture analysis) techniques that are commonly adopted in laboratory courses for B.Sc Under Graduate Students. Chemical analysis plays an important role in study of composition or constituents of substances or material. The chemical analysis is broadly divided into two types. 1. Qualitative analysis 2. Quantitative analysis.

Finding out the nature of substance and identity of its constituents is also analysis and is known as qualitative analysis. Qualitative analysis of inorganic salts means the identification of cations and anions present in the salt or a mixture of salts. The salt mixture analysis involves a series of steps that help in identifying constituent cations and anions.

Dr. D Bala Karuna Kumar, obtained master's degree in Chemistry from Hyderabad Central University in 1998, completed master of philosophy in 2008 on the topic Fuel Cells. Obtained doctoral degree from Acharya Nagarjuna University in Chemistry in the year 2013 for his work on Industrial Solvents. Currently working as professor of Chemistry.



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ABORIGINAL AUSTRALIAN DISCOURSE:

Identity, Representation and Belonging



Author

Rajya Lakshmi Dugaleam

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7 EXPLICATING ABORIGINAL AUSTRALIAN HISTORY

Dr. Raju Bollavarapu,
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Before Australia was colonized or claimed as a nation, the Aborigines comprised hundreds of tribes spread all over Australia. These clans or early social groups were with the unique life-styles leading their lives with different cultures, languages, customs, traditions, religious beliefs, and soon. Aboriginal culture was unique, as manifested in their artistic and cultural expression. Their knowledge of their country and their consciousness of their culture were remarkable. They knew their flora and fauna. However, for years, the Aboriginal people were not aware of the need to protect their cultural heritage from aliens who were taking advantage of their knowledge and artistic achievements without giving anything in return. The white advents may not be happy with the living conditions of these Aboriginal people. They wish to bring the Aboriginals into the main stream of whites. It's a welcoming thing. There is no welcoming factor for this. They need to adopt fair methods to assimilate them. Instead, they followed all brutal methods of genocide, stolen generation and destroying their identity in all aspects. The whites even went to an extent of saying the land is 'terra-nullius' in the international platforms. Then the indigenous people around the world have experienced, and continue to experience, social, economic, and political disadvantage in their local community, predominately based on territorial claims. "Many countries in the world have indistinct boundaries. Most countries claim sovereignty over areas which are subject to counter-claims by other countries."



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Automated Detection of Skin Lesions Using Back Propagation Neural Network

[Nagendra Panini Challa](#) , [A. Mohan](#), [Narendra Kumar Rao](#), [Bhaskar Kumar Rao](#), [J. S. Shyam Mohan](#) & [B. Balaji Bhanu](#)

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Abstract

Many skin diseases impact our human body in a drastic way. Many skin related problems exist but this paper focuses on skin lesions which has an abnormal growth when compared to its surrounding skin. The diagnosis is analyzed using neural networking (NN) model where data preprocessing, skin texture identification and classification is performed using support vector machine (SVM) method for skin disease dataset. The results obtained specify that good

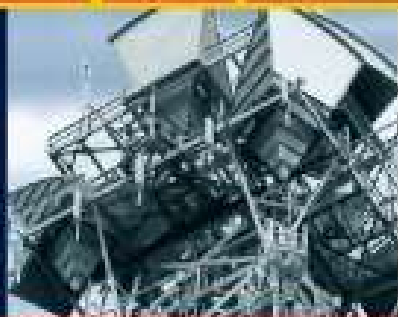
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B. Narendra Kumar Rao

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Richi Nayak *Editors*



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Basics of Internet of Things

(Smarter Technology for all)

Mr. B. Balaji Bhanu

Mr. Abhra Pratip Ray

Dr. Padmanabh A. Gadge



Basics of
Internet of Things
(Smarter Technology for all)

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Basics of Internet of Things

(Smarter Technology for all)

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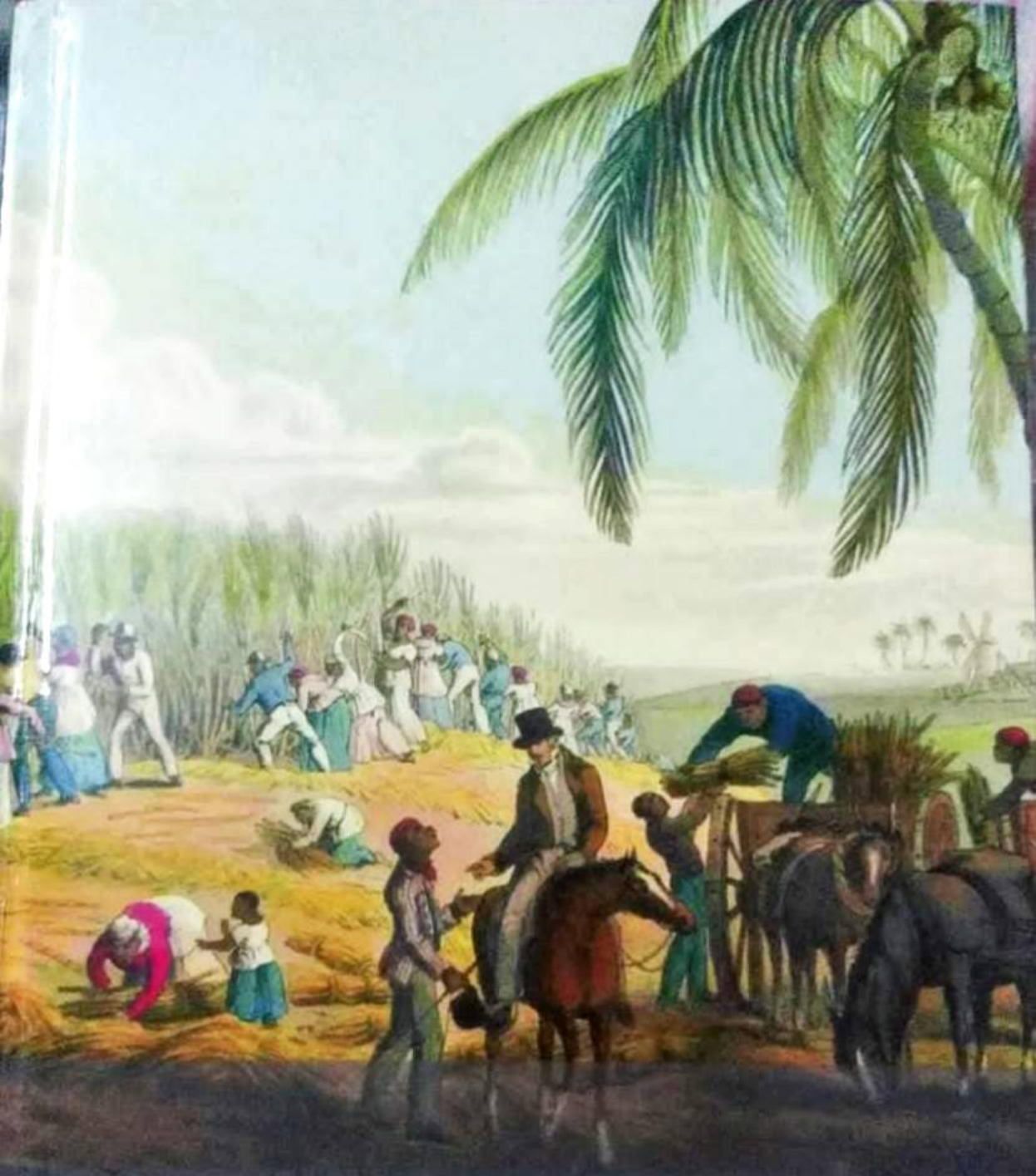


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beauties and depict the world around in terms of judicial criticism. She is known for her shrewd criticism and critical acumen.

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Dr. L. SUBHA

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