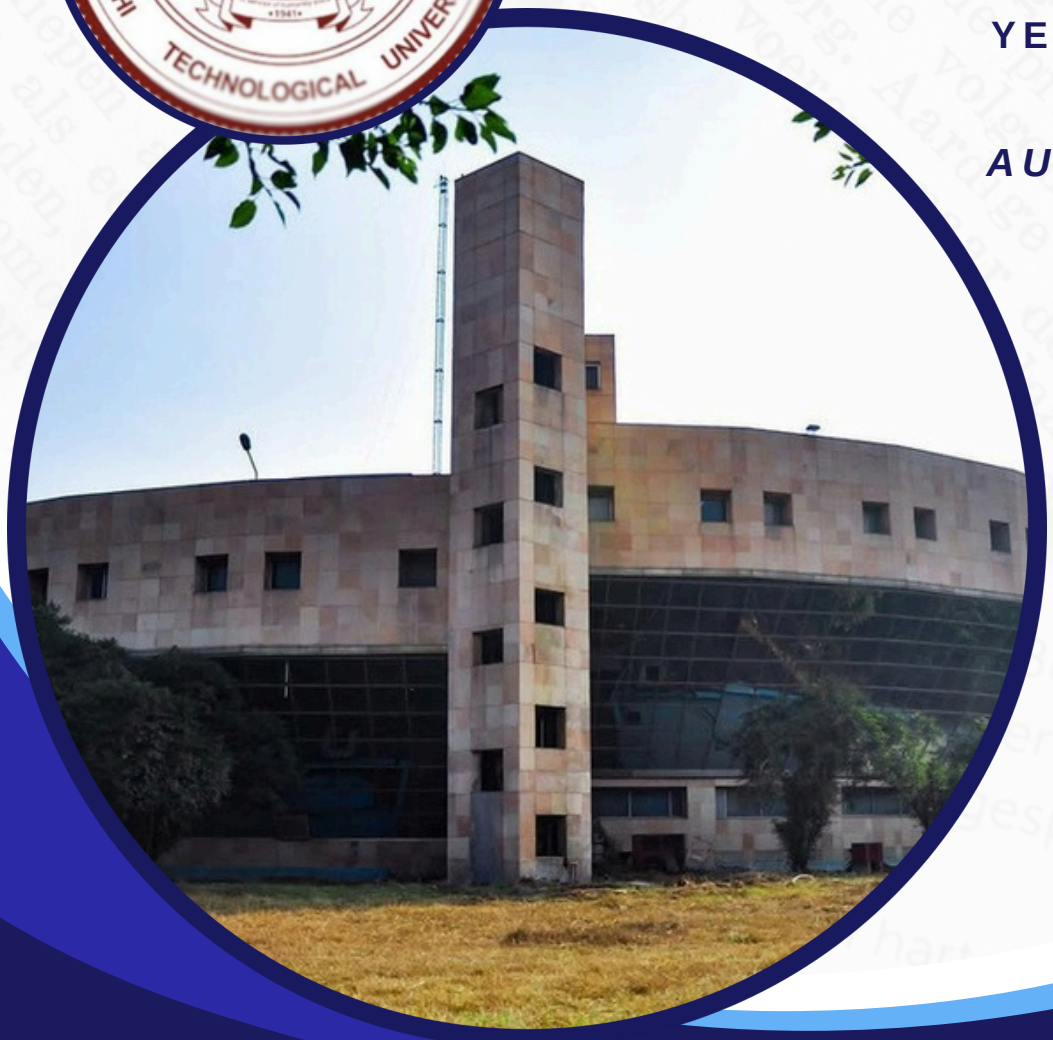
Delhi Technological University

SAPIENTIA

(INTELLECTUAL CONTRIBUTIONS OF DTU)



2024

YEARLY EDITION

WITH

AUTHORS INDEX

SAPIENTIA 2024

Write-up for SAPIENTIA YEARLY 2024

Overview

This briefing summarizes the "SAPIENTIA YEARLY 2024" document, highlighting the intellectual contributions of Delhi Technological University (DTU) through its published papers. The document showcases a wide range of research across various engineering, scientific, and technological disciplines, with a strong emphasis on emerging technologies and their applications.

Main Themes and Important Ideas/Facts

1. **Artificial Intelligence and Machine Learning (AI/ML)**

A dominant theme is the extensive application and advancement of AI and Machine Learning across numerous fields. This includes disease detection, image processing, network security, and intelligent systems.

- **Disease Detection**: Several papers focus on leveraging AI for medical diagnosis. Examples include "'Explainable AI' Disease Detection with Reasoning" (Kumar, Ramrakhiyani, Garg) and "A Comparative Study of Deep Learning Models for Brain Tumor Classification" (Goyal, Haritash, Singh).

Other related works include "A Data-Driven Diabetes Predictive Model Using a Novel Optimized Weighted Ensemble Approach" (Arora, Kumar, Kumar) and "Melanoma Skin Cancer Detection Using InvolutionNet" (Chaudhary, Gupta, Deo, Sharma).

- **Image Processing and Computer Vision:** Research spans image classification, enhancement, and security. Noteworthy titles are "A 3D-convolutional-autoencoder embedded Siamese-attention-network for classification of hyperspectral images" (Ranjan, Kumar, Girdhar), "A Novel Deep Learning Based Fully Automated Framework for Captcha Security Vulnerability Checking" (Thakur, Bhavishya, Singh), and "Underwater image enhancement by using transmission optimization and background light estimation via principal component analysis fusion" (Mishra, Kumar, Choudhry).
- **Network Security and IoT:** AI/ML is also heavily applied to enhance security in intelligent networks and IoT devices. Examples include "A Comparative Study of Machine Learning Models for Network Traffic Classification in the IoT Landscape" (Yadav, Alharbi, Alreshidi, et al.) and "Deep learning-empowered intrusion detection framework for the Internet of Medical Things environment" (Kumar, Chittora). The concept of "Federated learning

in Emotion Recognition Systems based on physiological signals for privacy preservation: a review" (Gahlan, Sethia) also highlights privacy concerns.

- **Natural Language Processing (NLP) and Sentiment Analysis:** Several papers delve into the analysis of textual data, particularly for emotion and sentiment recognition. This includes "A Hybrid Deep Learning Model for Sentiment Analysis of IMDB Movies Reviews" (Beniwal, Dinkar, Kumar, Panchal), "HumourHindiNet: Humour detection in Hindi web series using word embedding and convolutional neural network" (Goyal, Sheoran, Meena), and "Mental Health and Stress Prediction Using NLP and Transformer-based Techniques" (Chaudhary, Gupta, Deo, Sharma).

2. Sustainable Energy and Environmental Management

Another significant area of research revolves around renewable energy sources, energy efficiency, waste management, and environmental protection.

- **Solar Energy Systems:** A strong focus is on optimizing photovoltaic (PV) systems, solar dryers, and integrated solar energy solutions. Papers include "A Comprehensive Shade Resilient Approach for Enhanced PV Array Performance

under Irradiance Mismatch Conditions" (Singh, Yadav, Singh), "Optimizing high-speed rotating shaft vibration control: Experimental investigation of squeeze film dampers and a comparative analysis using Artificial Neural Networks (ANN) and Response Surface Methodology (RSM)" (Singh, R.K., Singh, R.C.), and "Sustainable Power Generation Through Solar-Driven Integration of Brayton and Transcritical CO2 Cycles: A Comprehensive 3E (Energy, Exergy, and Exergoenvironmental) Evaluation" (Khan, Raman, Said, et al.).

- **Waste Management and Biofuels:** Research addresses the conversion of waste into energy and materials. Titles such as "A comprehensive review on methane enrichment in biogas through the purification process using biomass-based adsorbents" (Meena, Pal) and "Biofuel Production from Waste Materials" (Kumar, Mohan, Anand, et al.) are prominent. "Sustainable waste management: a comprehensive life cycle assessment of bioethanol production from agricultural and municipal waste" (Patel, Singh) also highlights the environmental impact.
- **Air and Water Quality:** Studies are conducted on monitoring and improving air and water quality, particularly in urban environments. Examples

"Air quality changes in Delhi due to open waste burning: an accidental fire in Bhalswa landfill" (Sharda, Malhotra) and "Water quality modeling-based assessment for the scope of wastewater treatment of the urban reach of River Yamuna at Delhi, India" (Kumar, Kapuganti, Vohra).

3. Advanced Materials and Nanotechnology

DTU researchers are actively engaged in developing new materials with enhanced properties and exploring nanotechnology for various applications.

- **Nanomaterials and Nanocomposites:** Numerous papers focus on the synthesis, characterization, and application of nanomaterials. This includes "Biogenic Silver Nanoparticle and Their Applications" (Kumar, L., Mohan, L., Anand, R., Tripathi, A., Gangyan, M., Garg, M., Bharadvaja, N.), "Flexible memory device made of SnO2-hBN nanocomposite exhibits stable resistive switching application" (Komal, Singh, Singh), and "Applications of nanoceramics to promote environmental sustainability" (Goyal, Khalid, Gupta).
- **Biosensors and Biomedical Applications:** Nanotechnology is being applied to create advanced biosensors and drug delivery systems. Examples include "A Novel Acetylcholinesterase-Based Electrochemical Biosensor Using

g-C3N4@MoS2 Nanohybrid for the Detection of Trichlorfon" (Sharma, P., Thakur, D., Kumar, D., Yadav, O.) and "Injectable mesquite gum and carboxymethyl chitosan hydrogel using schiff base linkage for drug delivery in wound care application" (Kumar, J., Purwar)

- **Advanced Coatings and Composites:** Research is ongoing to improve the mechanical and tribological properties of materials through advanced manufacturing techniques and coatings. "A review of aluminum metal matrix composites: fabrication route, reinforcements, microstructural, mechanical, and corrosion properties" (Kumar, Singh, Singh, et al.) and "Development of ZrB2-SiC Plasma-Sprayed Ceramic Coating for Thermo-chemical Protection in Hypersonic Vehicles" (Gupta, K., Murtaza, Q., Yuvraj, N.) are examples.

4. Communication and Network Technologies (including 5G/6G and IoT)

DTU is contributing to the evolution of communication systems, with a strong focus on the next generation of wireless technologies and the Internet of Things (IoT).

- 6G and IoT: "6G for intelligent internet of things" (Dabas, Mehra, Chawla, Sharma, Jamshed) is a direct indication of future-oriented research. Many papers address "Network Optimization in Intelligent Internet of Things Applications:

Principles and Challenges" (Batra, Mehra, Tanwar) and "IoT Securities: Applications, Security Issues and Solutions Using Diverse Technologies" (Bajaj, Sharma, Shambharkar).

- **Antenna Design and Wireless Systems:** Development of advanced antennas for modern communication standards is a recurring theme. Examples include "A Gain-Enhanced Multiband Frequency and Pattern Reconfigurable Antenna for Wi-Fi 6E and 5G New Radio Wireless Standards" (Ganesh, Raghava, Sabapathy, Sharma) and "Triple band self-decoupled MIMO antenna pair for 5G communication" (Kansal, Mandpura, Kumar).

5. Electronics and Devices

Innovation in microelectronics, device design, and power electronics is also a core strength.

- **SRAM and Memory Devices:** Research into improving memory cell performance and power efficiency is evident in titles like "A Comparative Performance Analysis of 10 T and 11 T SRAM Cells" (Kumar, A., Kale, S.) and "A Low Power Single Ended and Dual Port 8T SRAM with Robust Features" (Dahiya, Tripathi, Usham, Mittal).
- **FETs and Transistors:** Papers explore novel transistor designs for improved performance and specialized applications. "A Gaussian Doped

p-GaN HEMT for Power Electronics Application" (Garg, Kale) and "Dielectric Modulated Gallium-Arsenide Gate-All-Around Engineered Field Effect Transistor (GaAs-GAAE-FET) Biosensor for Breast Cancer Detection" (Yadav, Rewari, Sharma) are examples.

6. Civil and Structural Engineering

Contributions also extend to fundamental and applied aspects of civil engineering, with a focus on ground improvement, structural analysis, and sustainable construction.

- **Ground Improvement and Geotechnical Engineering:** "A Basic Study on Ground Improvement Techniques and Its Applications" (Srijan, Gupta) and "Numerical Investigation of Behaviour of Geosynthetic Encased Stone Column in Soft Clay Bed" (Srijan, Gupta) demonstrate work in this area.
- **Sustainable Construction:** "Enhancing concrete performance: Surface modification of recycled coarse aggregates for sustainable construction" (Panghal, Kumar) shows efforts towards eco-friendly building materials.

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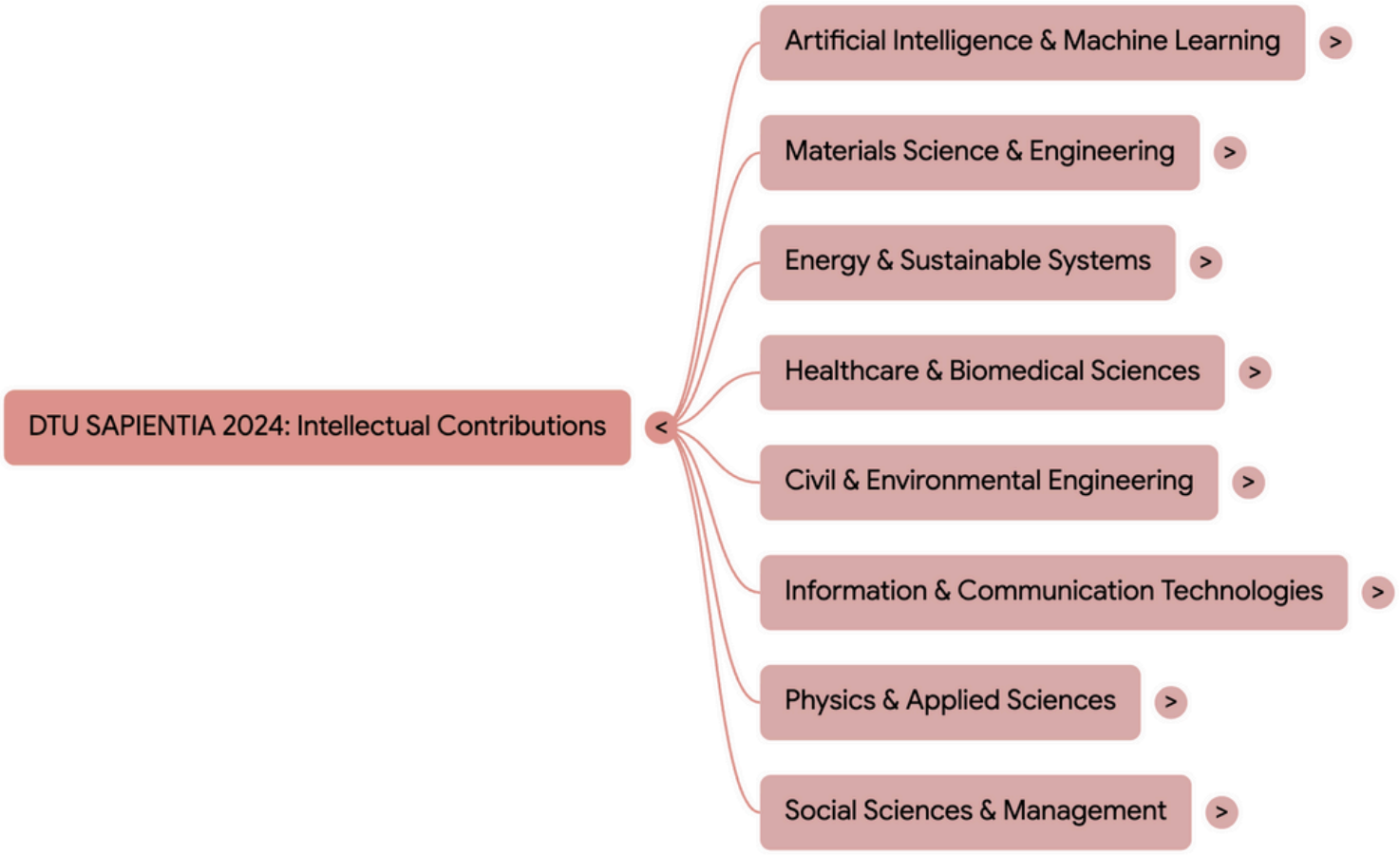
Subjects of Paper Titles in the Format of Mind Map



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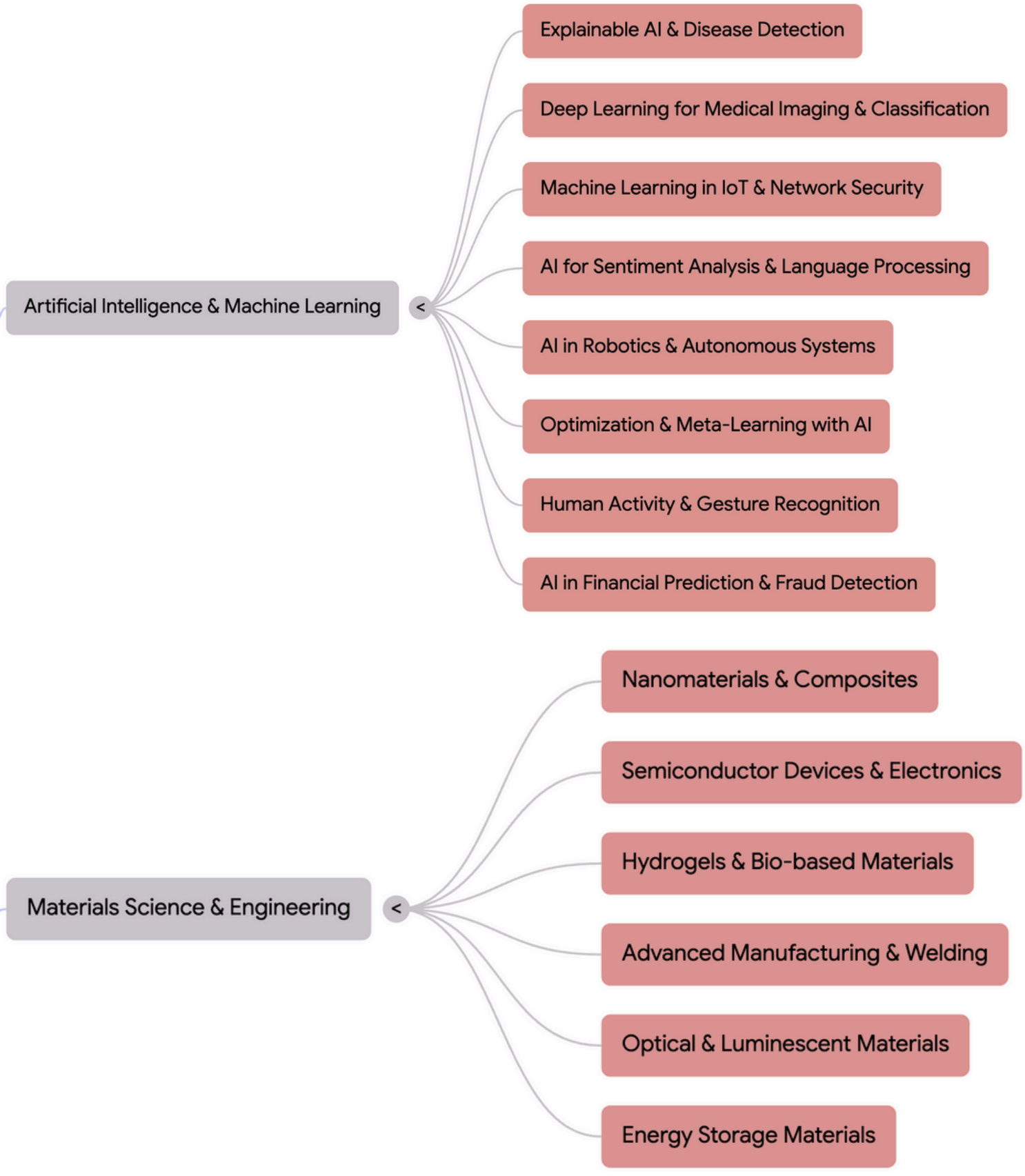

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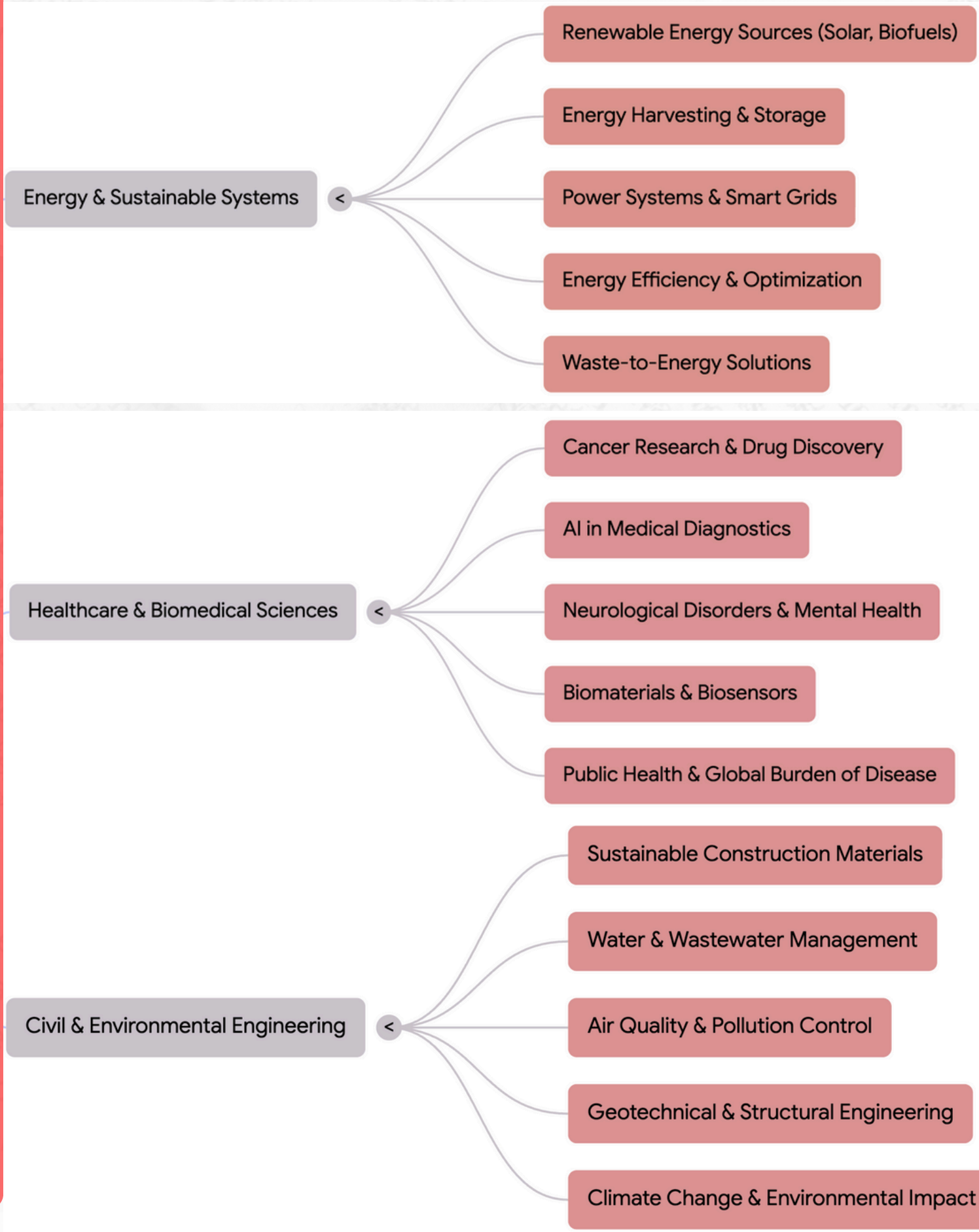

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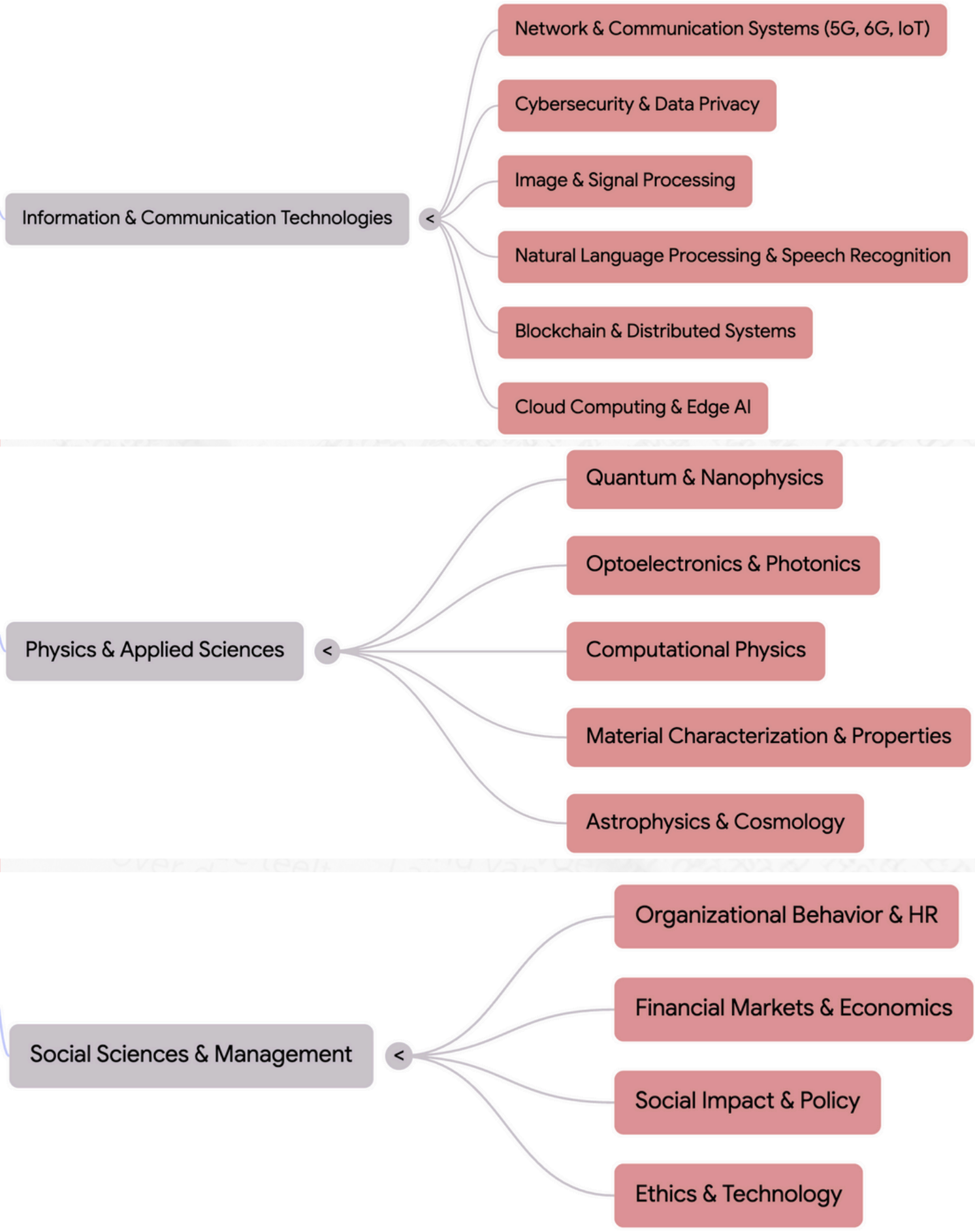

SAPIENTIA 2024

1. "Cholinergic side Effect-Free anticancer drugs: paving the way for safer and more effective cancer treatment"

Authors: Ritu, Chandra, P., Das, A.

Source: Journal of Biomolecular Structure and Dynamics

View Paper

2. 'Explainable AI' Disease Detection with Reasoning

Authors: Kumar, M., Ramrakhiyani, K., Garg, H.

Source: Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2024

View Paper

3. 100 Years of the Ubiquitous Traffic Lights: An All-Round Review

Authors: Kulkarni, A.R., Kumar, N., Ramachandra Rao, K.

Source: IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)

View Paper

4. 6G for intelligent internet of things

Authors: Dabas, D., Mehra, P.S., Chawla, D., Sharma, J., Jamshed, A.

Source: Network Optimization in Intelligent Internet of Things Applications: Principles and Challenges

View Paper

5. A 12-Bit 1.2-GS/s Current-Steering DAC in 45-NM CMOS Technology

Authors: Gupta, T., Bhandari, S., Taran, S., Gupta, R.K.

Source: Journal of Circuits, Systems and Computers

View Paper

6. A 3D-convolutional-autoencoder embedded Siamese-attention-network for classification of hyperspectral images

Authors: Ranjan, P., Kumar, R., Girdhar, A.

Source: Neural Computing and Applications

View Paper

7. A Basic Study on Ground Improvement Techniques and Its Applications

Authors: Srijan, S., Gupta, A.K.

Source: Lecture Notes in Civil Engineering

View Paper

8. A Cocktail of Natural Compounds Holds Promise for New Immunotherapeutic Potential in Head and Neck Cancer

Authors: Kumar, S., Das, A.

Source: Chinese Journal of Integrative Medicine
View Paper

9. A Comparative Analysis of Cavity Positions in Charge Plasma based Tunnel FET for Biosensor Application

Authors: Kumar, A., Kale, S.
Source: IETE Journal of Research
View Paper

10. A Comparative Assessment of the Optimization Algorithms in Real Time Coordination of DOCRs

Authors: Kumar, P., Anand, S., Kumar, P., Mittal, S., Mahato, B.
Source: 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024
View Paper

11. A Comparative Assessment of the Water Footprint of Agricultural, Industrial and Domestic Practices in India

Authors: Goyal, D., Haritash, A.K., Singh, S.K.
Source: Lecture Notes in Civil Engineering
View Paper

12. A Comparative Performance Analysis of 10 T and 11 T SRAM Cells

Authors: Yadav, P., Mittal, P.
Source: Lecture Notes in Electrical Engineering
View Paper

13. A Comparative Study of Deep Learning Models for Brain Tumor Classification

Authors: Das, T., Vishwakarma, D.K., Ranga, V.
Source: 2024 4th International Conference on Intelligent Technologies, CONIT 2024
View Paper

14. A Comparative Study of Machine Learning Models for Network Traffic Classification in the IoT Landscape

Authors: Thakur, D., Sah, S., Ailsinghani, P., Ranga, V.
Source: Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2024
View Paper

15. A Comparison of Transfer Learning Inspired CNN Architectures for 2D Image Workout Recognition

Authors: Rehman, A., Kumar, S., Verma, L.
Source: 2024 IEEE 9th International Conference for Convergence in Technology, I2CT 2024

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View Paper

16. A Comprehensive Image Processing Frameworkfor Early Diagnosis of Diabetic Retinopathy

Authors: Yadav, K., Alharbi, Y., Alreshidi, E.J., Alreshidi, A., Jain, A.K., Jain, A., Kumar, K., Sharma, S., Gupta, B.B.
Source: Computers, Materials and Continua
View Paper

17. A Comprehensive Review and Performance Analysis of Different 7T and 9T SRAM Bit Cells

Authors: Garg, M., Chaturvedi, M., Mittal, P., Chauhan, A.
Source: Smart Innovation, Systems and Technologies
View Paper

18. A Comprehensive Review to Investigate the Effect of Read Port Topology on the Performance of Different 7 T SRAM Cells

Authors: Rawat, B., Mittal, P.
Source: Lecture Notes in Electrical Engineering
View Paper

19. A Comprehensive Shade Resilient Approach for Enhanced PV Array Performance under Irradiance Mismatch Conditions

Authors: Singh, R., Yadav, V.K., Singh, M.
Source: IEEE Journal of Photovoltaics
View Paper

20. A Comprehensive Study on Advancements in Document Information Retrieval

Authors: Sharma, A., Arya, A.
Source: 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024
View Paper

21. A Comprehensive analysis of energy, exergy, economic and environment on integrated solarcombined cycle with various HTFs and thermal storage

Authors: Khandelwal, N., Yadav, P.S., Said, Z., Sharma, M., Shukla, A.K., Singh, O., Khandelwal, D., Caliskan, H.
Source: Applied Energy
View Paper

22. A Conceptual Model to Assess the Effectiveness of Frugal Product Design Frameworks

Authors: Kumari, A., Singh, R., Das, L.K.
Source: IEEE Transactions on Engineering Management
View Paper

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23. A Critical Analysis of Landslide Susceptibility Studies in Himachal Himalaya

Authors: Paul, S.R., Sarkar, R.

Source: Journal of the Geological Society of India

View Paper

24. A Data-Driven Diabetes Predictive Model Using a Novel Optimized Weighted Ensemble Approach

Authors: Arora, S., Kumar, S., Kumar, P.

Source: Lecture Notes in Networks and Systems

View Paper

25. A Descriptive Analysis of Different Dual-Port and Single-Port 11T SRAM Cells for Low-Voltage Operations

Authors: Chopra, Y., Mittal, P.

Source: Lecture Notes in Electrical Engineering

View Paper

26. A Dynamic and Efficient Active Power Support Scheme Using VSC-HVDC System for Quick Frequency Restoration

Authors: Taneja, A., Saha, R., Singh, M.

Source: Arabian Journal for Science and Engineering

View Paper

27. A Fuzzy and Taguchi Method Based Hybrid Approach for Coordinated Voltage Stability Control

Authors: Ratra, S., Singh, K., Yadav, V.K.

Source: Proceedings of the 3rd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2024

View Paper

28. A Gain-Enhanced Multiband Frequency and Pattern Reconfigurable Antenna for Wi-Fi 6E and 5G New Radio Wireless Standards

Authors: Ganesh, M., Raghava, N.S., Sabapathy, T., Sharma, Y.

Source: International Journal of Communication Systems

View Paper

29. A Gaussian Doped p-GaN HEMT for Power Electronics Application

Authors: Garg, T., Kale, S.

Source: Proceedings of the 3rd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2024

View Paper

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30. A Graded Index Hybrid Photonic Crystal Fiber for Supercontinuum Generation using AsSe2- As2S5

Authors: Tomer, D.S., Kumar, A. Source: Journal of Optics (India) View Paper

31. A High Performance and Low Power Subthreshold Voltage Level Shifter Design

Authors: Kapoor, A., Thapar, A., Jha, C.S., Kumar, C.I.

Source: Proceedings of the IEEE International Conference on VLSI Design

View Paper

32. A Hybrid Approach for Depression Detection Using Word Embedding, Naive Bayes and Bi-LSTM Models

Authors: Singh, J., Mangotra, I., Jain, M., Jain, A.

Source: Lecture Notes in Networks and Systems

View Paper

33. A Hybrid BERT-CNN Approach for Depression Detection on Social Media Using Multimodal Data

Authors: Beniwal, R., Saraswat, P.

Source: Computer Journal

View Paper

34. A Hybrid Deep Learning Model for Sentiment Analysis of IMDB Movies Reviews

Authors: Beniwal, R., Dinkar, A.K., Kumar, A., Panchal, A.

Source: 2024 Asia Pacific Conference on Innovation in Technology, APCIT 2024

View Paper

35. A Linear Time Shrinking-SL(t)-ViT Approach for Brain Tumor Identification and Categorization

Authors: Swetha, A.V.S., Bala, M., Sharma, K.

Source: IETE Journal of Research

View Paper

36. A Low Power Single Ended and Dual Port 8T SRAM with Robust Features

Authors: Dahiya, A., Tripathi, A., Usham, D., Mittal, P.

Source: Lecture Notes in Electrical Engineering

View Paper

37. A Machine Learning Approach With PSO for Intrusion Detection

Authors: Sharma, R., Madar, M.K., Meena, M., Kumar, V.

Source: 2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024

View Paper

38. A Multi-Constrained Green Routing Protocol for IoT-Based Software-Defined WSN

Authors: Kumar, N., Beniwal, R.

Source: Concurrency and Computation: Practice and Experience

View Paper

39. A Network-Aware Aggregation and Control Framework for Residential Distributed Energy Resources

Authors: Gupta, S., Yadav, V.K., Singh, G.P., Singh, K.

Source: Proceedings of the 3rd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2024

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40. A New Criss-Cross-Based Asymmetrically Configured T-Type Multi-level Inverter

Authors: Mahto, K.K., Das, P., Das, D., Mittal, S., Mahato, B.

Source: Lecture Notes in Electrical Engineering

View Paper

41. A New High-Order Electronically Tunable Oscillator (HO-ETO)

Authors: Joshi, M., Kumar, R., Singh, M., Choudhary, S.

Source: Lecture Notes in Electrical Engineering

View Paper

42. A New Puzzle Strategy for PV Arrays Under Shadings

Authors: Gautam, M., Chauhan, U., Singh, K.

Source: Proceedings - International Conference on Computing, Power, and Communication Technologies, IC2PCT 2024

View Paper

43. A Novel APVD Steganography Technique Incorporating Pseudorandom Pixel Selection for Robust Image Security

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Authors: Chatterjee, S., Singh, H., Hudda, D., Sweety, Kumar, D.

Source: Applied Organometallic Chemistry

View Paper

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45. A Novel Approach for Secure and Efficient VANET Communication:Integrating Clustering, Curve Fitting, and Fog Computing

Authors: Devi, A., Kait, R., Ranga, V.

Source: International Journal of Performability Engineering

View Paper

46. A Novel Approach for State of Health Estimation of Lithium-Ion Batteries Based on Improved PSO Neural Network Model

Authors: Nasimov, R., Kumar, D., Rizwan, M., Panwar, A.K., Abdusalomov, A., Cho, Y.-I.

Source: Processes

View Paper

47. A Novel Approach to Image Synthesis: Using Stack GAN to Enhance Cybersecurity Application of Generative AI

Authors: Bisherwal, P., Srivastava, P., Kumar, R., Jindal, R.

Source: 2024 International Conference on Intelligent Systems for Cybersecurity, ISCS 2024

View Paper

48. A Novel Chaotic Map with High Chaotic Dynamics for Image Encryption Applications

Authors: Pal, P.K., Kumar, D.

Source: 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024

View Paper

49. A Novel Deep Learning Based Fully Automated Framework for Captcha Security Vulnerability Checking

Authors: Thakur, A., Bhavishya, Singh, P.

Source: Lecture Notes in Networks and Systems

View Paper

50. A Novel Dielectric Modulated Double Gate Charge-Trapping MOSFET: Ferroelectric Gate Stack and Gaussian Doped Substrate Integration for Enhanced Performance

Authors: Swain, A., Agarwal, N., Singhal, T., Chaujar, R.

Source: 2024 IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems, ICITEICS 2024

View Paper

51. A Novel Enhancement Mode GaN HEMT with MIS and p-GaN structure

Authors: Garg, T., Kale, S.

Source: 2024 IEEE 9th International Conference for Convergence in Technology, I2CT 2024

View Paper

52. A Novel Sinusoidal Oscillator Using Single Voltage Differencing Buffered Amplifier

Authors: Gupta, P., Komanapalli, G., Pandey, R.

Source: Journal of Circuits, Systems and Computers

View Paper

53. A Numerical Investigation on Estimation and Validation of Power Law Constants for TiB2 Reinforced AA2024 Composite Material

Authors: Sahu, R., Srinivas, K., Agrawal, A.K.

Source: Smart Innovation, Systems and Technologies

View Paper

54. A PSO-optimized novel PID neural network model for temperature control of jacketed CSTR: design, simulation, and a comparative study

Authors: Chaturvedi, S., Kumar, N., Kumar, R.

Source: Soft Computing

View Paper

55. A Passive Floating C-MOS Memristor with Analog Applications

Authors: Gupta, R.K., Choudhry, M.S., Saxena, V.

Source: Proceedings - 2nd IEEE International Conference on Device Intelligence, Computing and Communication Technologies, DICCT 2024

View Paper

56. A Posteriori Error Analysis of Defect Correction Method for Singular Perturbation Problems With Discontinuous Coefficient and Point Source

Authors: Kaushik, A., Jain, S.

Source: Journal of Computational and Nonlinear Dynamics

View Paper

57. A Proposed IOT-based Smart Healthcare Management Framework for Performing Lossless Data Compression using Concept of Ontology

Authors: Sahu, M., Panda, J.

Source: Journal of Scientific and Industrial Research

View Paper

58. A Radiation-Hardened Double Node Upset Latch Designfor Nanoscale CMOS Technologies

Authors: Mandal, P., Kumar, P., Singh, S.V., Kumar, C.I.

Source: 2024 IEEE Workshop on Complexity in Engineering, COMPENG 2024

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59. A Raspberry Pi 4 and Arduino-based Automated Intercom Door Lock System

Authors: Aggarwal, S., Ranga, V.
Source: 2024 1st International Conference on Advanced Computing and Emerging Technologies, ACET 2024
View Paper

60. A Reliable and high performance Radiation Hardened Schmitt Trigger 12T SRAM cell for space applications

Authors: Soni, L., Pandey, N.
Source: AEU - International Journal of Electronics and Communications
View Paper

61. A Review of Different Approaches for Boundary Shear Stress Assessment in Prismatic Channels

Authors: Kaushik, V., Kumar, M.
Source: Lecture Notes in Civil Engineering
View Paper

62. A Schiff base hydrogel of oxidized okra gum and carboxymethylated chitosan: a biocompatible and biodegradable injectable system for drug delivery in wound care

Authors: Kumar, J., Purwar, R.
Source: Colloid and Polymer Science
View Paper

63. A Silver Nanoparticle-Embedded Tamarind Kernel Gum/Poly(Sodium Acrylate) Nanocomposite for Sustainable Release of Doxycycline

Authors: Rani, I., Warkar, S.G., Kumar, A.
Source: ChemistrySelect
View Paper

64. A Single Bitline Highly Stable, Low Power With High Speed Half-Select Disturb Free 11T SRAM Cell

Authors: Soni, L., Pandey, N.
Source: ACM Transactions on Design Automation of Electronic Systems
View Paper

65. A Single Line 8T SRAM Bit Cell with Robust Read, Hold Stability and Low Power

Authors: Chopra, Y., Mittal, P.
Source: Lecture Notes in Networks and Systems
View Paper

66. A Single MOS-Memristor Emulator Circuit

Authors: Gupta, R.K., Choudhry, M.S., Saxena, V., Taran, S.
Source: Circuits, Systems, and Signal Processing

View Paper

67. A Survey of Artificial Intelligence Applications in Wind Energy Forecasting

Authors: Dhaka, P., Sreejeth, M., Tripathi, M.M.
Source: Archives of Computational Methods in Engineering
View Paper

68. A Survey of Legal Text Analysis Techniques for Indian Legal Documents

Authors: Ghosh, T., Kumar, S.
Source: 2024 International Conference on Circuit, Systems and Communication, ICCSC 2024
View Paper

69. A Survey on Artificial Intelligence-Based Cyber Security in IoT Networks

Authors: Tyagi, A., Singh, A., Yadav, A., Mehra, P.S.
Source: Proceedings - 2nd IEEE International Conference on Device Intelligence, Computing and Communication Technologies, DICCT 2024
View Paper

70. A Survey on Blockchain for Rental Lease Management

Authors: Jain, A., Gangwar, A., Kumari, C., Mehra, P.S.
Source: 2024 11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2024
View Paper

71. A Survey on Blockchain in Financial Institutions

Authors: Tiwari, A., Kanjolia, A., Kumar, B., Mehra, P.S.
Source: 2024 11th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2024
View Paper

72. A Survey on CNN, RNN and CRNN for Document Retrieval in Healthcare

Authors: Kansal, V., Sharma, A.
Source: 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024
View Paper

73. A Survey on Skin Lesion Detection and Classification using Machine Learning

Authors: Yadav, R., Bhat, A.
Source: 2nd International Conference on Artificial Intelligence and Machine Learning Applications: Healthcare and Internet of Things, AIMLA 2024
View Paper

74. A Systematic Literature Review on Maintenance of Software Containers

Authors: Malhotra, R., Bansal, A., Kessentini, M.
Source: ACM Computing Surveys
View Paper

75. A Systematic Review Paper on Energy-Efficient Routing Protocols in Internet of Things

Authors: Yadav, R., Kumar, V.
Source: IETE Journal of Research
View Paper

76. A Systematic Review of RDHEI with Consistent Experimental Evaluation

Authors: Ankur, Kumar, R., Sharma, A.K.
Source: Lecture Notes in Electrical Engineering
View Paper

77. A Systematic Review of the World?s Largest Government Sponsored Health Insurance Scheme for 500 Million Beneficiaries in India: Pradhan Mantri Jan Arogya Yojana

Authors: Aashima, Sharma, R.
Source: Applied Health Economics and Health Policy
View Paper

78. A Systematic Review on Internet of Things (IoT) Security: Applications, Architecture, Challenges and Solutions

Authors: Ganda, V.D., Ritika, R., Mehra, P.S., Chawla, D.
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868. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990?2021: a systematic analysis for the Global Burden of Disease Study 2021

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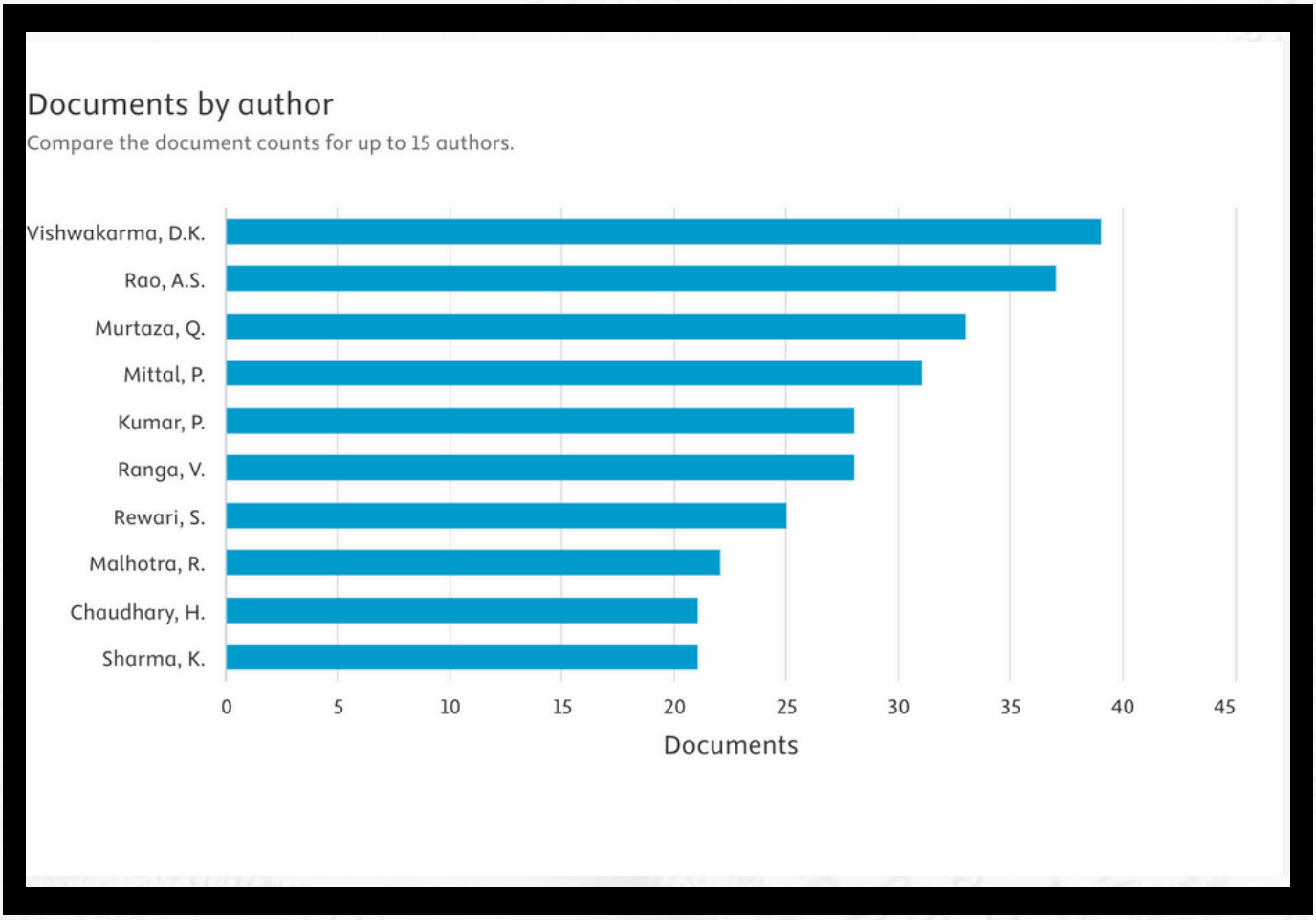

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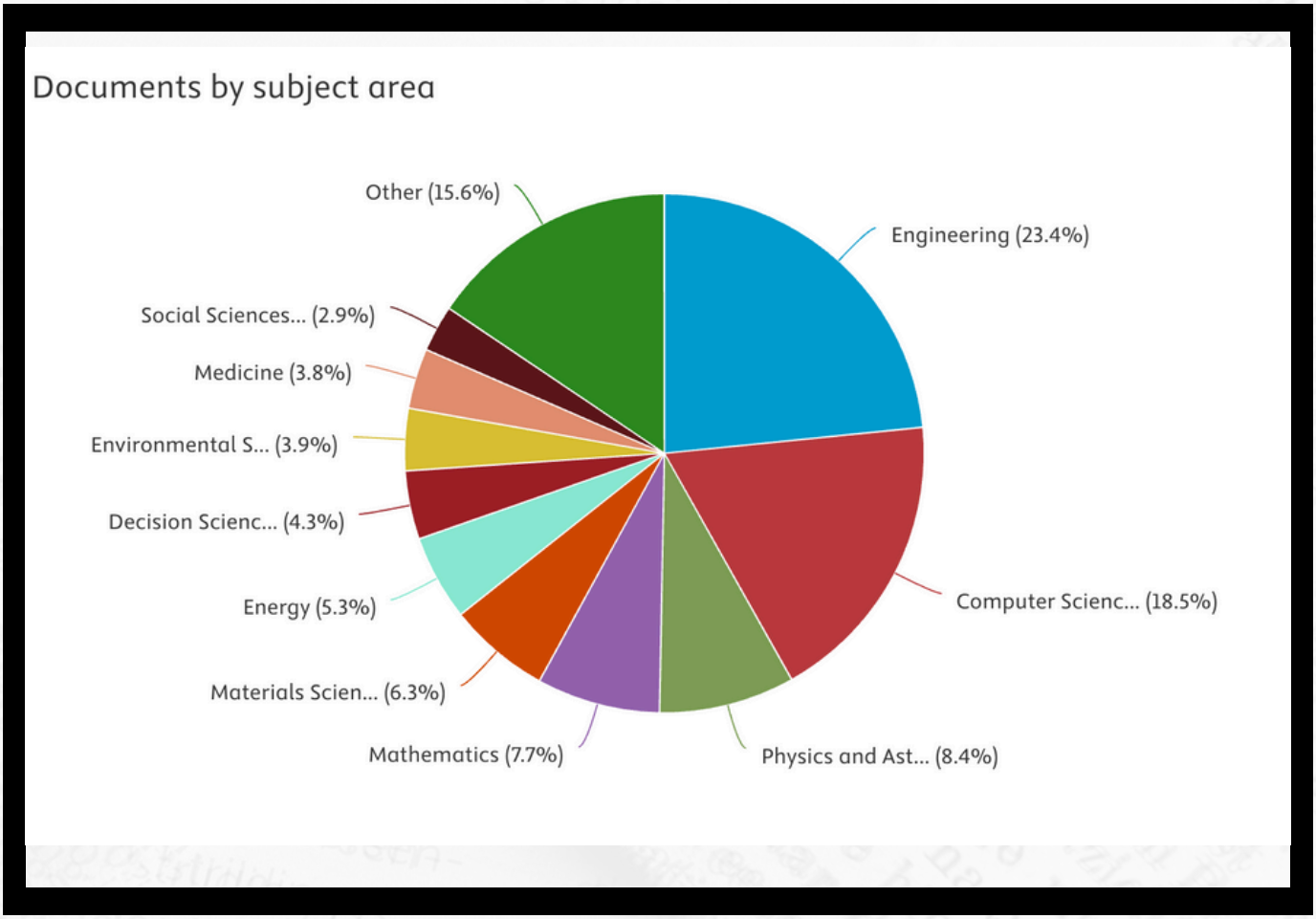

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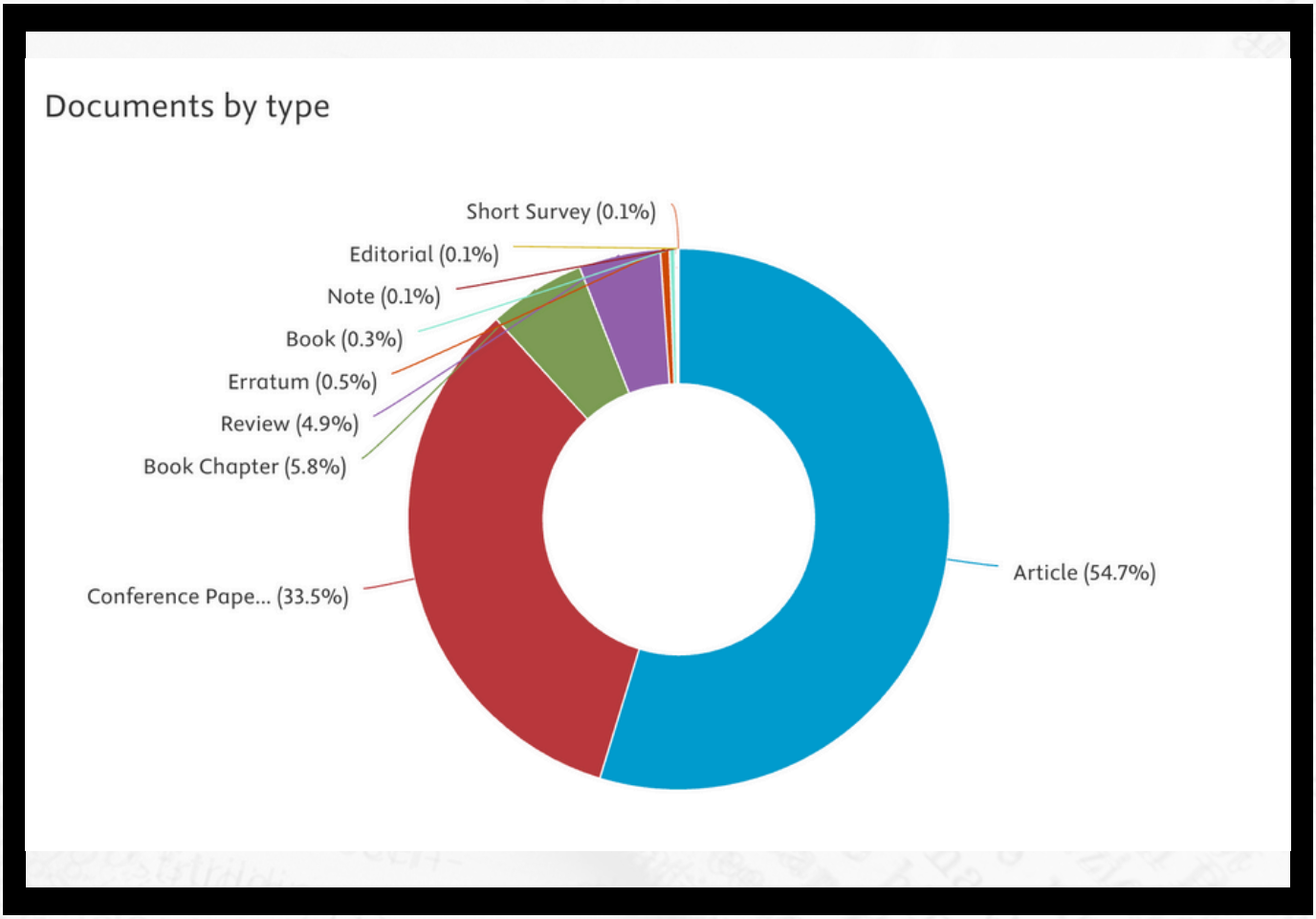

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