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### Patent Search

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#### Inventor

Name	Address	Country
Dr Ramakrushna Swain	Associate Professor, Dept. of Computer Science & Engineering, Silicon University, Bhubaneswar 751024	India
Archana	Assistant professor, ECE, MERI College of engineering and technology, Bahadurgarh, Haryana, Pin - 124501	India
Boopathy P	Assistant Professor/ Department of Geoinformatics, Park college of Engineering and Technology, Coimbatore-641659	India
Dr R Thamizhamuthu	Assistant Professor, Department of Computing Technologies, School of Computing, SRM Institute of Science and Technology, Kattankulathur Campus, Chengalpattu, Tamil Nadu-603203	India
Dr. Droupti Yadav	Assistant Professor and Coordinator, Environmental Science and Technology, SLSBT, CSJM University, Kanpur Nagar, Uttar Pradesh, India (Pin- 208024)	India
Naveena Kolli	Institute of Aeronautical Engineering, Hyderabad, Telangana, India.	India
Sabarika Devi G	Assistant professor, civil engineering, park college of engineering and technology, 641659	India
Swarnam S	Assistant Professor, MBA, SNS College of Technology, Coimbatore-35	India
Dr.Dhanusha.C	Assistant Professor, Department of Software Systems and Computer Science [PG], KG College of Arts and Science, Saravanampatti, Coimbatore, 641035	India
Anthony Savio Herminio Da Piedade Fernandes	Founder Owner, Trading Equations, 54/C, Xell, Bastora, Bardez, Goa (403507)	India
Tanaya Nerlekar	Assistant professor/ Civil Department, Dr. D. Y. Patil Institute of technology Pimpri Pune-18	India
Dr. Ashes Maji	Assistant professor/Mechanical Engineering Department/Asansol Engineering College/Asansol-713305	India

#### Applicant

Name	Address	Country
Dr Ramakrushna Swain	Associate Professor, Dept. of Computer Science & Engineering, Silicon University, Bhubaneswar 751024	India
Archana	Assistant professor, ECE, MERI College of engineering and technology, Bahadurgarh, Haryana, Pin - 124501	India
Boopathy P	Assistant Professor/ Department of Geoinformatics, Park college of Engineering and Technology, Coimbatore-641659	India
Dr R Thamizhamuthu	Assistant Professor, Department of Computing Technologies, School of Computing, SRM Institute of Science and Technology, Kattankulathur Campus, Chengalpattu, Tamil Nadu-603203	India
Dr. Droupati Yadav	Assistant Professor and Coordinator, Environmental Science and Technology, SLSBT, CSJM University, Kanpur Nagar, Uttar Pradesh, India (Pin- 208024)	India
Naveena Kolli	Institute of Aeronautical Engineering, Hyderabad, Telangana, India.	India
Sabarika Devi G	Assistant professor, civil engineering, park college of engineering and technology, 641659	India
Swarnam S	Assistant Professor, MBA, SNS College of Technology, Coimbatore-35	India
Dr.Dhanusha.C	Assistant Professor, Department of Software Systems and Computer Science [PG], KG College of Arts and Science, Saravanampatti, Coimbatore, 641035	India
Anthony Savio Herminio Da Piedade Fernandes	Founder Owner, Trading Equations, 54/C, Xell, Bastora, Bardez, Goa (403507)	India
Tanaya Nerlekar	Assistant professor/ Civil Department, Dr. D. Y. Patil Institute of technology Pimpri Pune-18	India
Dr. Ashes Maji	Assistant professor/Mechanical Engineering Department/Asansol Engineering College/Asansol-713305	India

#### Abstract:

Artificial intelligence and Deep Learning: Enhancing Drone Systems for Environmental Monitoring in Smart Cities is the proposed invention. The proposed invention f understanding the functions of Environmental Monitoring. The invention focuses on analyzing the parameters of Drone Systems in Smart Cities using algorithms of A Intelligence.

#### Complete Specification

Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of th information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] Artificial intelligence (AI) is the science of building machines that can learn, reason, and act in ways that would normally require human intelligence. AI uses computers and machines to mimic the problem-solving and decision-making capabilities of the human mind. AI combines computer science and robust datasets to problem-solving. It also encompasses sub-fields of machine learning and deep learning.

[0003] A number of different types of drone-based system for monitoring smart cities that are known in the prior art. For example, the following patents are prov their supportive teachings and are all incorporated by reference.

[0004] WO2016185467A1: The present invention relates to an environmental monitoring UAV system comprises a drone provided with an air monitoring platform adapted for taking air sample(s) by enforcing air to flow through or into at least one sampling medium, during the flight of said drone.

[0005] Deep learning is a type of artificial intelligence (AI) that teaches computers to process data in a way that mimics the human brain. Deep learning models ca recognize patterns in text, pictures, sounds, and other data to make predictions and gain insights. Deep learning is a subset of machine learning, which is AI that ca automatically adapt with little human intervention. The proposed invention focuses on analyzing the Drone Systems in Smart Cities through algorithms of Artificial Intelligence.

[0006] Above information is presented as background information only to assist with an understanding of the present disclosure. No determination has been ma assertion is made and as to whether any of the above might be applicable as prior art with regard to the present invention.

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