



Department of Information Science and Engineering

Patent Detail for 2021-2022

1. Dr. Vijayanand S, Dr. J. Amutharaj, Dr. Soby D, Dr. K. Janaki, Dr. Neha Singhal Dr. T. Subburaj of RajaRajeswari College of Engineering, Bangalore has filed a patent titled **“Trustworthy Electronic Voting using Adjusted Block Chain Technology”** with Controller of Patents, Intellectual Property INDIA on 9th August 2021 and Published on 13th August 2021.

Name of the Applicant: RajaRajeswari College of Engineering, #14, Ramohalli Cross, Kumbalagodu, Bangalore – 560074

Name of the Inventors: Dr. Vijayanand S, Dr. J. Amutharaj, Dr. Soby D, Dr. K. Janaki, Dr. Neha Singhal, Dr. T. Subburaj.

2. Dr. J. Amutharaj, Innovation Patent Granted on 25th August 2021 titled **“Dryland Agriculture and Yield Gap Analysis by Machine Learning Algorithms using IoT Sensors”** by IP Australia, Australian Government with Patent Number 2021104029.

Name of the Inventors: Dr. J Amutharaj, Dr. S Usha, Dr. J Anitha, Dr. P. Bhuvaneswari, Dr. Kamalraj T, Dr. Vijayanand S, Prof. Bhagya Lakshmi, Dr. M Gomathynayagam, Dr. I Gethzi Ahila Poornima, Prof. Pallavi C.V, Prof. Niranjana Murthy C, Dr. T Subburaj

3. Dr. J. Amutharaj, Innovation Patent Granted on 28th April 2021 titled **“An Efficient Coverage Management for Smart IoT Application”** by with Patent Number 202110157 .

Name of the Applicant: RajaRajeswari College of Engineering, #14, Ramohalli Cross, Kumbalagodu, Bangalore – 560074

Name of the Inventors: Dr J Amutharaj

4. Dr. Neha Singhal **“Intelligent tracking & managing system for water quality distribution and water consumption plan scheduling using block chain”**, Term of patent: Eight years from 8 June 2021, patent number: 2021103216, Australian government



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5. Dr. Neha Singhal **“Internet of things based smart irrigation system for water resource management”**, Eight years from 21 July 2021, patent number: 2021104402, Australian government

6. Dr. Neha Singhal Published a patent on **“Trustworthy electronic voting using adjusted block chain technology”**: In Indian patent on 9/8/2021 application num: 202141035793A

Patent Detail for 2020-2021

1, Prashanth A, Jayachitra S, Amutharaj J, Lavanya S, Nmaratha M, Nandankar, Praful and Kumar, R. Praveen filed a Patent titled **“An Efficient Coverage Management for Smart IoT Application”** in IP Australia, Australian Government. The patent was granted by IP Australia with the Patent Number 2021101571. and published on April 2021.

2, Dr. J. Amutharaj, M.Gomathynayagam, Dr. D.Sobya, I. Gethzi Ahila Poornima, P.Ramkumar, filed a patent titled **“Surveillance Automation for Detection and Identification of Human Behaviours”**, with Controller of Patents, Intellectual Property INDIA and published on 11th September 2020.

3, Dr. Neha Singhal, **“Intelligent Tracking & Managing System for water Quality Distribution and Water Consumption plan Scheduling using Block Chain”**, term of Patent: Eight years from 8 June 2021, Patent number: 2021103216, AUSTRALIAN GOVERNMENT and published on 8 June 2021

Patent Detail for 2019-2020

1. Dr. J. Amutharaj, Dr. L.Arun Raj, Mr.V.Manimaran filed a patent titled **“Analysis and the Development of Intelligent App Creation with its Features”** with Controller of Patents, Intellectual Property INDIA on 27th June 2020.



RajaRajeswari College of Engineering



(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)

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2. Dr. J. Amutharaj, Dr. Kamalraj T, Dr. Shebha Selvam, Dr. K. Janaki, Dr .P. Bhuvaneswari, filed a patent titled “**Cryptographic Security of Data Transfers in Computer Systems**” with Controller of Patents, Intellectual Property INDIA with CFR No : 4157 on 6th February 2020.